



Winter 1983-84

# NEWS

Geological Society of Minnesota

FIRST CLASS

MINNEAPOLIS, MINNESOTA



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RETURN REQUESTED



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## GEOLOGICAL SOCIETY OF MINNESOTA

### OFFICERS.

Pres. George Johnson  
 V. Pres. Eva Selander  
 Treas. Warren Mitchell  
 Sec'y. Marlys Lowe

### DIRECTORS

Wilbur Hill  
 Conrad Nelson  
 Elizabeth Noten  
 Dwight Robinson  
 Dick Uthe

## BOARD DOINGS - ELECTIONS

The Annual Meeting took place in September at the Viking Village. The For a firsy term Wilbur Hill, George Johnson, following were elected Wilbur Hill , George Johnson, Warren Mitchell and Dwight Robinson and Dick Uthe.

Members enjoyed a showing of slides from the field trips by Bob Gunnville. At the October Board meeting George Johnson was elected president, Eva Selander Vice President, Warren Mitchell treasurer, and Marly Lowe secretary. The new board and officers will serve through 1984. The board will plan activities and select committes for the new year.

## New Members

*In Winter*



Lawrence M Espy 5801 Fairfax Av. Mpls. 55424	926 3319	Robert Dorenfeld 1217 Fifth St. N.E. Mpls. 55413	623 9709
Robert Jenzek 1122 University Av. S.E. Mpls. 55455	373 6725	Byron Swanson 383 Pelham Blvd. St. Paul 55104	644 0321
Sr. Lucy Knoll 1884 Randolph Av. St. Paul 55105	690 2481	David Lankinen 757 W. Sandhurst Dr. Roseville, Minn. 55133	489 3729
Jeffrey & Krista Garry 92 E. Morton St. St. Paul 55107	291 0011		December 1983 January 1984 February

LABS BEGIN IN FEBRUARY

# IMPORTANT

P3

A new series of labs will be taught by Dr. Gerald Webers on alternate Monday evenings at Macalester College, beginning February 13. PLEASE NOTE: The date in the program for the second lab is in error. It is printed as Feb. 20 and should read Feb. 27.

Dr. Webers will hold two sessions on fossil identification and two sessions on mineral identification. These labs will build on the work done last year, though prior experience is not necessary. There will also be an opportunity to view rocks in thin sections through petrographic microscopes.

Labs will be held in Rice Hall at 7:30 P.M.



## 1983 in Review

- 1- We had a fine lecture series dealing with evolution of earth and basic geology. Further, four labs were held on mineral and rock identification.
- 2- The annual banquet at Duff's.
- 3- A picnic at Minnehaha Falls for members to meet and get autographs from the author of Minnesota's Geology, Dick Ojakangas and Charlie Matsch.
- 4- Three field trips; one to southwestern Minnesota, one to Baraboo, Wisconsin and one local on glacial geology, plus a seminar in the Science Museum.
- 5-The booth at the Fair, with the theme being The Geology of a Car.



DUES ARE OVERDUE

Did you neglect to pay your dues by October 1? If so, you may still send your check to Marjorie McGladrey, 8351 278th Street E., Elko, Minn. 55020

## Old Prospecters Never Die



### Gold

In ancient times gold as well as copper, lead and iron were mined. The Egyptians mined gold around 4000 B.C. Copper was produced in Cyprus around 3000 B.C. Minoans of the Bronze Age bartered metals both base and precious for Greek wines and olive oil. In Galicia the Romans mined gold, copper, lead and iron.

In recent times geologists have assisted in finding mineral resources beneath the surface. Now some are engaged in rediscovering abandoned ancient mines in Europe and in countries bordering the Mediterranean. While not bonanzas, many of these old mines can still yield profitable ores, due to modern mining techniques.

Dr. Stanley Holmes, a Canadian geologist with a wide experience in mineral exploration in the United States and Canada, has founded Mining Explorations (International) Ltd. together with Robert Armstrong of Cominco, Gunnar and Union Corp. (S.A.) The finding and development of new mines is becoming increasingly difficult and expensive in the United States and Canada. Unstable governments in South America and the Third world make the investment too risky for most investors.

Holmes became interested in overseas mining while serving as chief geologist and chief of explorations for the Denison company which was keen on uranium sites. While exploring in Ireland for Dennison, he obtained an option on Silvermines. Then he set up his own consulting firm. In connection with this work he explored old and new mines in Europe, South America, North Africa, and the Middle East. He became convinced that there are opportunities for profitable mines in the long abandoned pits and shafts of western Europe. The classical writings of Aristotle, Pliny, the Elder and Polybius provided Holmes with the background of ancient mining history.

Gold fever has not abated even now. In fact the locating and development of new sites is ongoing in the Lake Superior region.